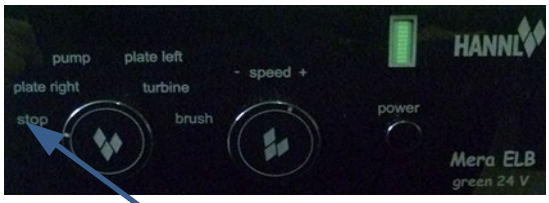
Owners Manual Mera ELB green 24 V

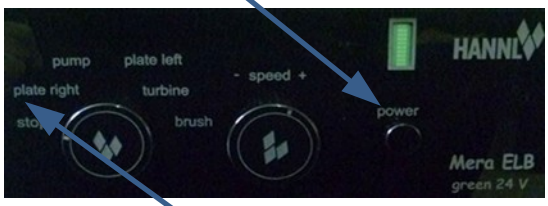
Here is described the meaning of rotary switch and digital potentiometer with push button.

With the rotary switch, you can select the requested action.

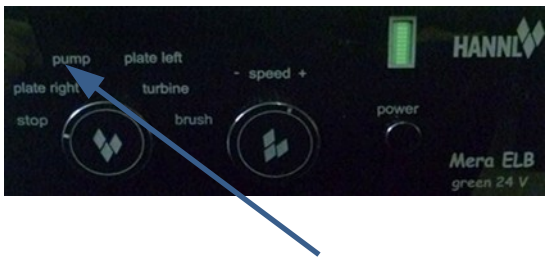
With the digital potentiometer it is possible to adjust the individual velocities for plate revolution and throughput of the turbine. The adjusted velocities are memorized. When selecting the desired function, the velocity will be recalled from the memory until it is modified again. This allows the user to create individual programs.



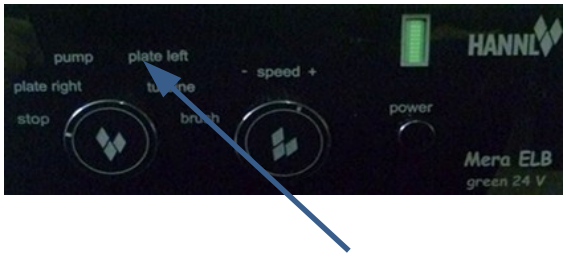
Rotary switch position **Stop**
Machine activates stand by mode. The level indicator shows one bar graph. After 10 minutes in stand by mode, the machine switches OFF automatically and must be powered on with power on-off switch (3).



Rotary switch position **plate right**
The plate starts rotating smoothly in clockwise direction. The velocity can be adjusted by turning the digital potentiometer (2). The recommended speed is when 4 bar graphs are visible on the level indicator. Now the brush lever can be turned onto the plate.

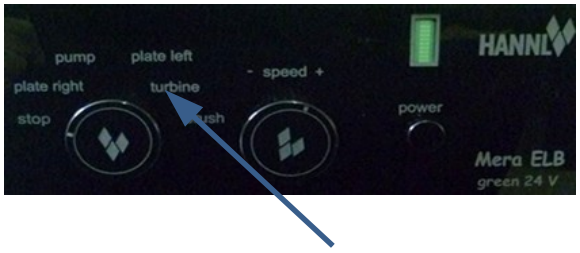


Rotary switch position **pump**
In this position the fluid pump can be activated by pressing on the center of the digital potentiometer (2). Use the double brush lever to moisten the disk. The pump remains activated as long the center button is pressed.



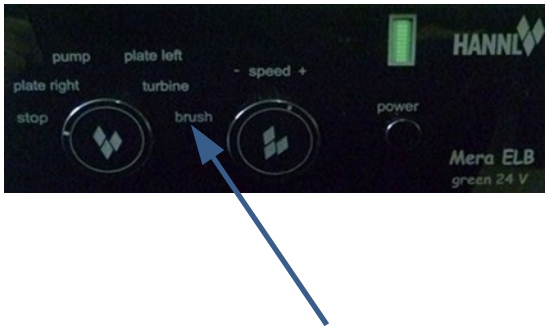
Rotary switch position **plate left**
The plate starts rotating smoothly in counter clockwise direction. The velocity can be adjusted by turning the digital potentiometer (2). The recommended speed is when 4 bar graphs are visible on the level indicator.

For normal contaminated disks, this washing function should be running for three revolutions for each direction.



Rotary switch position **turbine**
The turbine increases velocity slowly. This allows the user to move the vacuum arm over the disk. The recommended speed is when 8 bar graphs on the level indicator are lit. The plate turns now in a preadjusted velocity very slowly and the fluid is removed carefully from the disk. After approximately 1.75 revolutions, the plate changes direction automatically for another 1.75 revolutions. Now disk and velvet band are dry and the rotary switch can be moved to position plate left. The vacuum arm can be moved back into the neutral position and the rotary switch can be moved into position stop.

The disk may be turned and the procedure can be repeated for the second side.



Rotary switch position **brush**
Disks which cannot be cleaned with the cleaning procedure as described above, should be re-processed with the special circular brush. Also for new and intensive contaminated disks and/or disks from garage sales as well as wet played disks should be processed with this function.

- Move rotary to position stop.
  - Install the circular brush according to its adjusting manual and fasten it with its rear knurled screw.
  - Move rotary switch to position brush. The plate starts rotating. A slow velocity is recommended (such like 2 bar graphs lit on the level indicator).
  - Moisten the disk with the provided pray bottle in such a way that a little wave builds up in front of the circular brush. Take into account that the machines position is adjusted horizontally. This can be done with the adjustable stands of the MERA ELB.
  - Using a slow velocity of the plate, the cleaning fluid remains on the disk so that it shows its optimum effect. If the velocity is selected too high, the centrifugal force moves the fluid outwards. The drum of the circular brush should touch the disks surface only smoothly. The cleaning effect is performed through the turbulences underneath the brush.
  - After approximately one minute, the plate turns direction automatically.
  - The procedure continues until the function is interrupted by selection of another function or switched off.
  - To terminate the brush function, move the rotary switch to position turbine.
  - Move the vacuum arm over the disk.
  - The disk is being vacuum cleaned.
  - Now the procedure repeats as described in "Rotary switch position **turbine".**
  - The circular brush should remain on the disk to remove fluid.
  - Move circular brush back into its neutral position and wait until everything is dry.The machine is connected to ground earth which avoids electrostatic charge of the disk.

We recommend our X2000 fluid to fill into the tank to clean light and medium contaminated disks in combination with the double brush lever.

The cleaning fluid VI3C has been developed for operation with the circular brush. It contains only very few surface-active agent and has very few foaming properties. This fluid can be used in combination with the provided spray bottle.